

Board Administration and Regulatory Coordination Unit

Division 3. Air Resources Board

Chapter 5. Standards for Motor Vehicle Fuels

Article 3. Specifications for Alternative Motor Vehicle Fuels

§ 2292.6. Specifications for Liquefied Petroleum Gas.

The following standards apply to liquefied petroleum gas
(The identified test methods are incorporated herein by reference):

Specifications for Liquefied Petroleum Gas

<i>Specification</i>	<i>Value</i>	<i>Test Method</i>
Propane	85.0 vol. % (min.) ^a	ASTM D 2163-87
Vapor pressure at 100°F	208 psig (max.)	ASTM D 1267-89 ASTM D 2598-88 ^b
Volatility residue: evaporated temp., 95% or	-37°F (max.)	ASTM D 1837-86
butanes	5.0 vol. % (max.)	ASTM D 2163-87
Butenes	2.0 % (max.)	ASTM D 2163-87
Pentenes and heavier	0.5 vol. % (max.)	ASTM D 2163-87
Propene	10.0 vol. (max.)	ASTM D 2163-87
Residual matter residue on evap. of 100 ml oil stain observ.	0.5 ml (max.) pass ^c	ASTM D 2158-89 ASTM D 2158-89
Corrosion, copper strip	No. 1 (max)	ASTM D 1838-89
Sulfur	80 ppmw (max.)	ASTM D 2784-89
Moisture content	pass	ASTM D 2713-86
Odorant	^d	

^a Propane shall be required to be a minimum of 80.0 volume percent starting on January 1, 1993. Starting on January 1, 1999, the minimum propane content shall be 85.0 volume percent.

^b In case of dispute about the vapor pressure of a product, the value actually determined by Test Method ASTM D 1267-89 shall prevail over the value calculated by Practice ASTM D 2598-88.

^c An acceptable product shall not yield a persistent oil ring when 0.3 ml of solvent residue mixture is added to a filter paper, in 0.1 ml increments and examined in daylight after 2 min. as described in Test Method ASTM 2158-89.

^d The liquefied petroleum gas upon vaporization at ambient conditions must have a distinctive odor potent enough for its presence to be detected down to a concentration in air of not over 1/5 (one-fifth) of the lower limit of flammability.

Within five years from the effective date of adoption or implementation, whichever comes later, of the amendments approved December 11, 1998, the Air Resources Board, in consultation with the Secretary for Environmental Protection, shall review the provisions of this chapter to determine whether it should be retained, revised or repealed.

NOTE: Authority cited: Sections 39600, 39601, 43013, 43018 and 43101, Health and Safety Code; and *Western Oil and Gas Ass'n. v. Orange County Air Pollution Control District*, 14 Cal. 3d 411, 121 Cal. Rptr. 249 (1975). Reference: Sections 39000, 39001, 39002, 39003, 39010, 39500, 40000, 43000, 43013, 43016, 43018 and 43101, Health and Safety Code; and *Western Oil and Gas Ass'n. v. Orange County Air Pollution Control District*, 14 Cal. 3d 411, 121 Cal. Rptr. 249 (1975).

REFERENCE